

Title (en)
GEAR SHIFT CONTROLLER FOR VEHICLE TRANSMISSION

Title (de)
GANGSCHALTUNGSSTEUERUNG FÜR EIN FAHRZEUGGETRIEBE

Title (fr)
DISPOSITIF DE COMMANDE DE CHANGEMENT DE VITESSE POUR TRANSMISSION DE VEHICULE

Publication
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Application
EP 08792467 A 20080814

Priority
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Abstract (en)
A vehicle mounting an engine and a transmission, and automatically controlling the transmission using a shift map, wherein shifting is executed to meet the traveling conditions of the vehicle and to ensure the braking force based on the engine brake as intended by the driver at the time of decelerating the vehicle. The transmission control unit has a shift map for determining the gear depending on the vehicle speed and the accelerator opening degree of the engine, and, further, has a mode-judging means for judging an acceleration mode period and a deceleration mode period depending on the operating conditions of an accelerator pedal and a brake pedal. In the deceleration mode period after the driver has depressed the brake pedal, the shift-up is prohibited (S9), and a gear region in the map for shift down is corrected in a direction in which the vehicle speed increases (S2, S3) to execute the shift-down early. In the deceleration mode period, therefore, the braking force based on the engine brake acts on the vehicle to a sufficient degree, and the frequency for operating the brake pedal by the driver can be decreased.

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